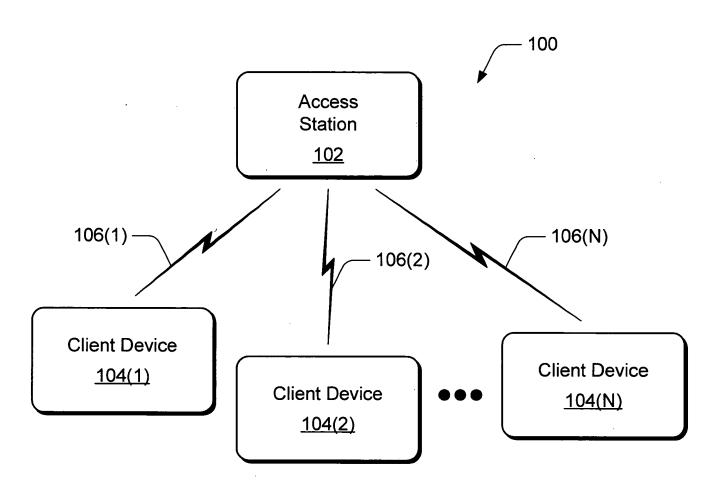
Docket No: MN1-010US 1 of 18

Inventor(s): daSilva et al.



Docket No: MN1-010US 2 of 18

Inventor(s): daSilva et al.

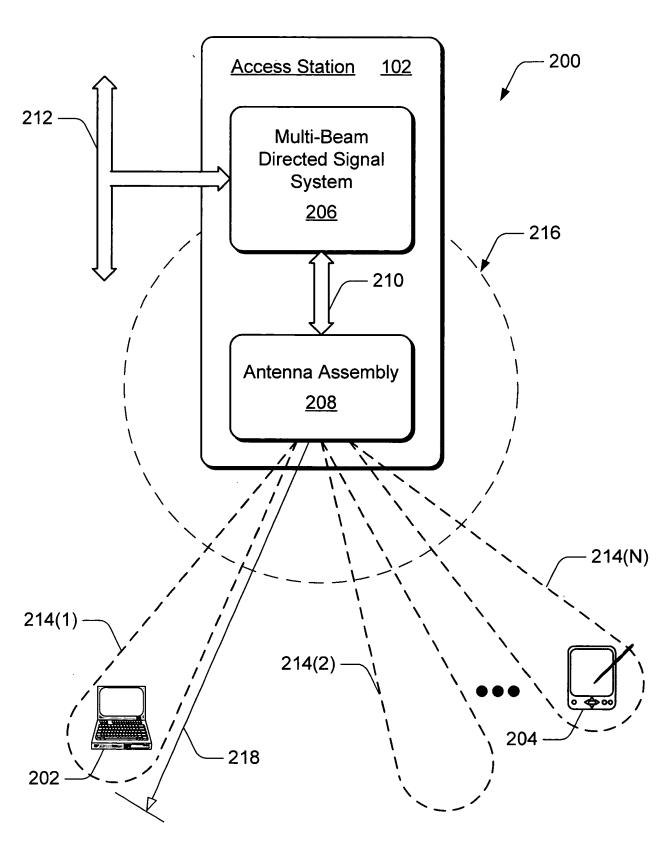


Fig. 2

Docket No: MN1-010US 3 of 18

Inventor(s): daSilva et al.

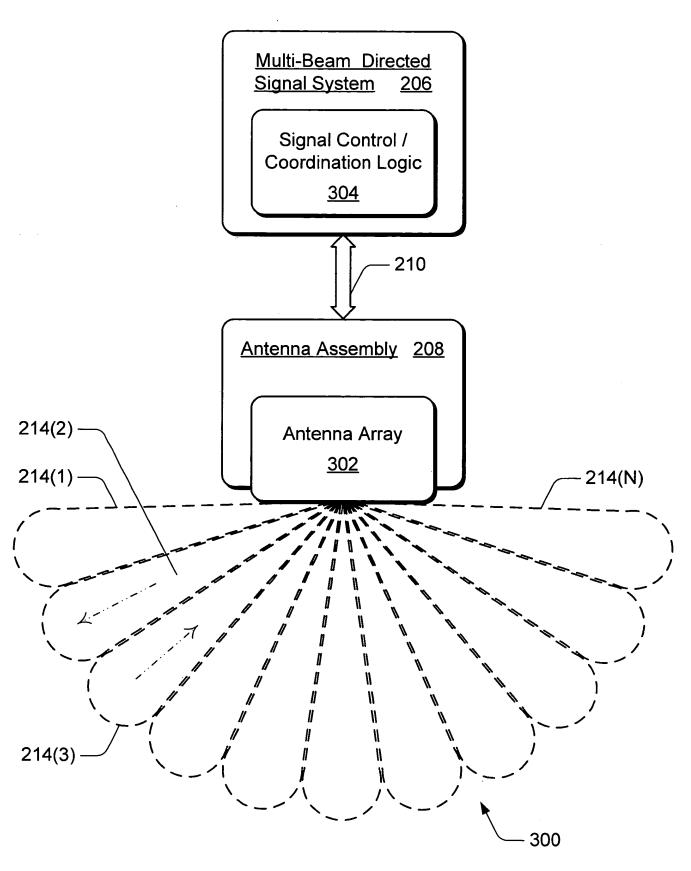


Fig. 3

Docket No: MN1-010US 4 of 18

Inventor(s): daSilva et al.

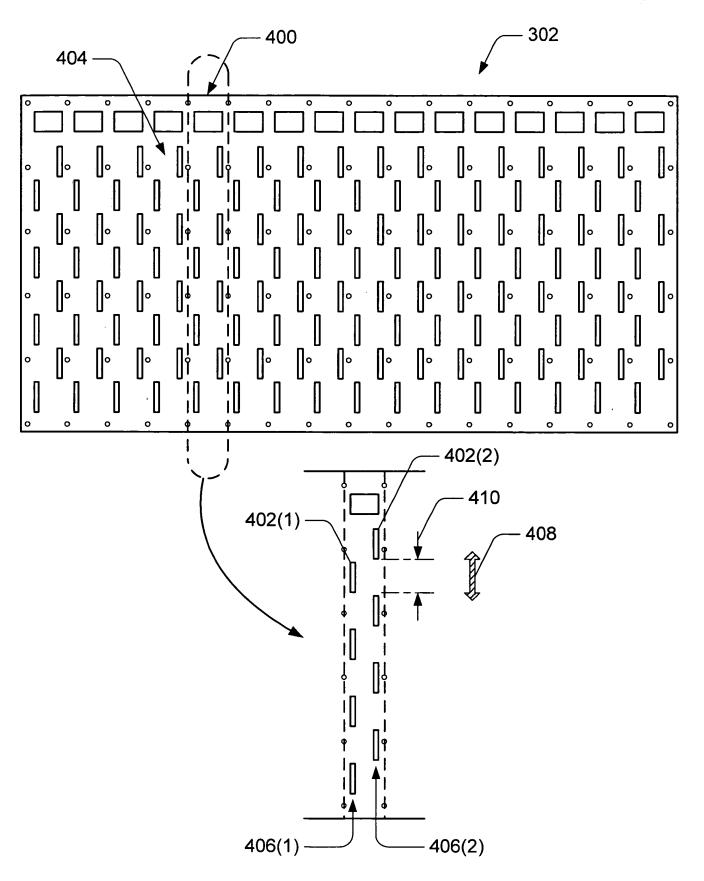


Fig. 4

Docket No: MN1-010US 5 of 18

Inventor(s): daSilva et al.

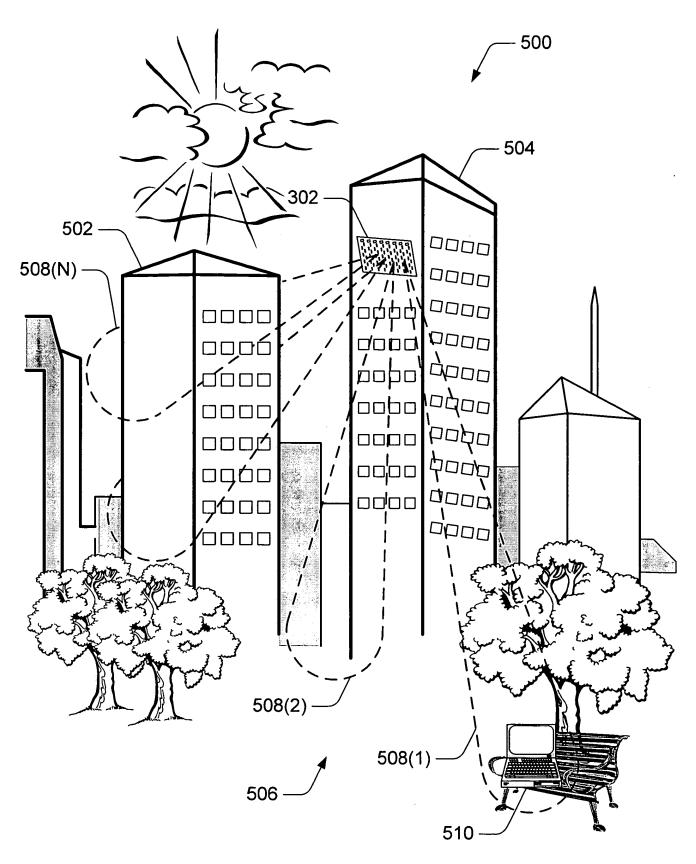


Fig. 5

Docket No: MN1-010US 6 of 18

Inventor(s): daSilva et al.

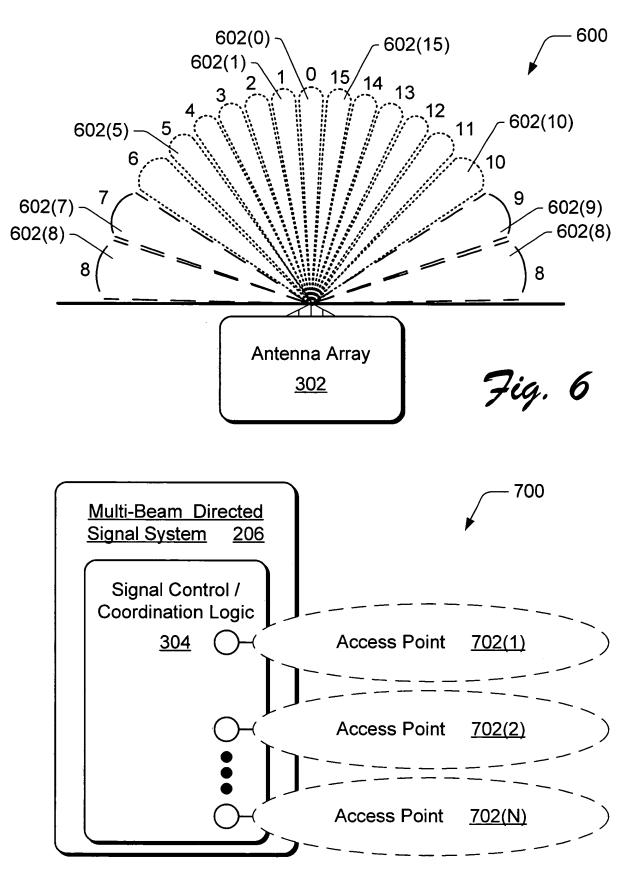
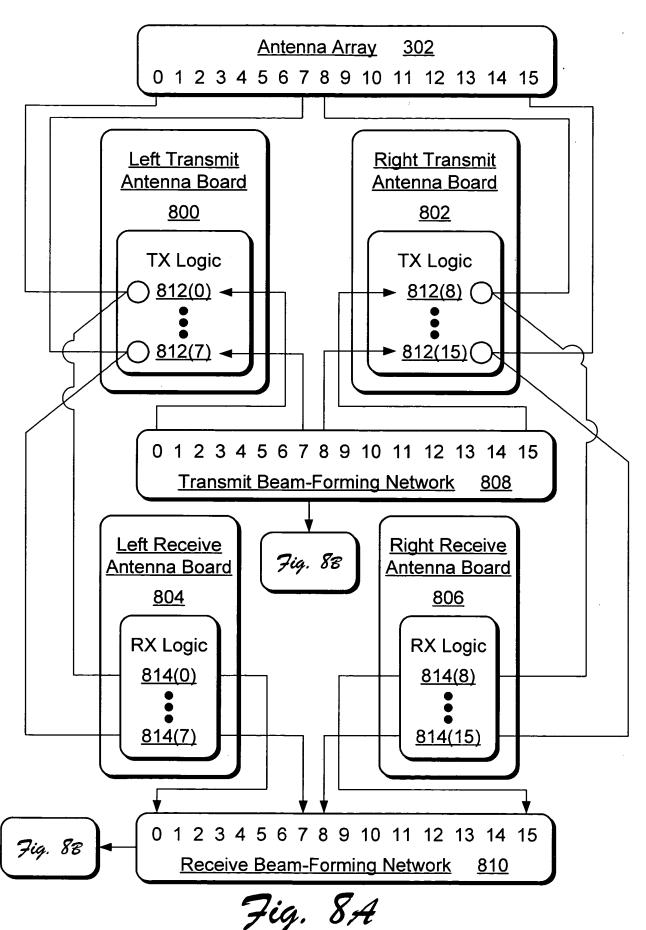


Fig. 7

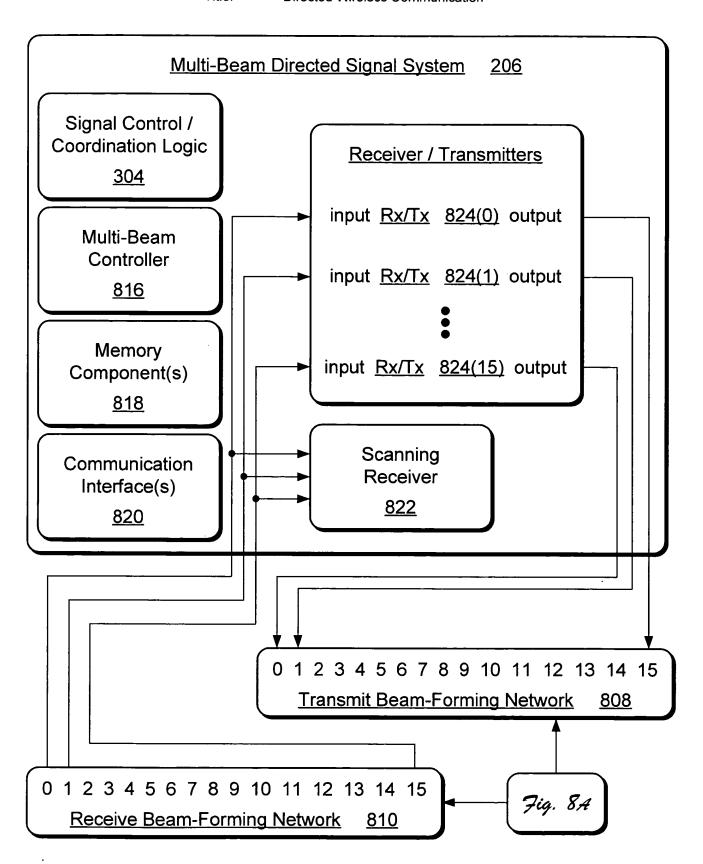
Docket No: MN1-010US 7 of 18

Inventor(s): daSilva et al.



Docket No: MN1-010US 8 of 18

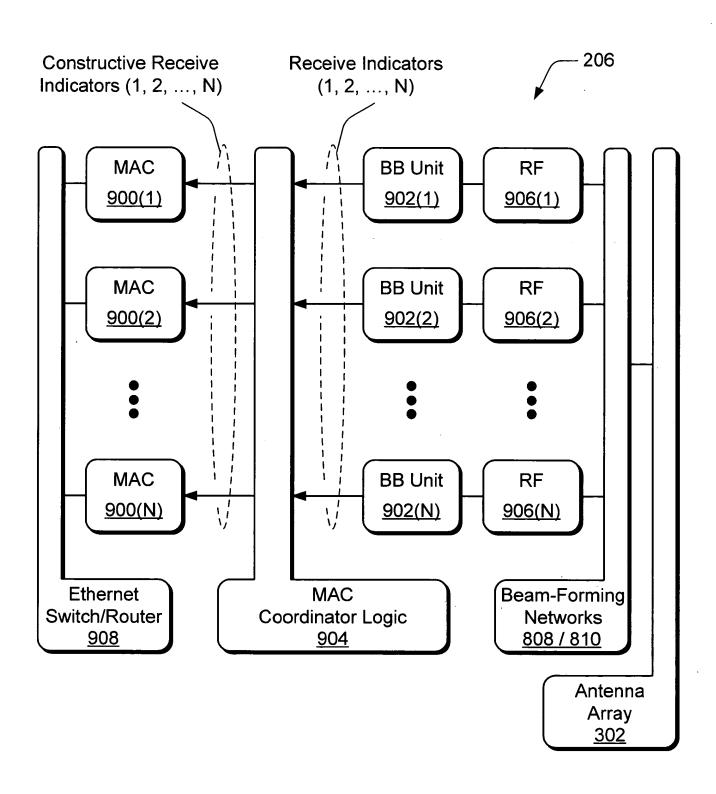
Inventor(s): daSilva et al.



7ig. 88

Docket No: MN1-010US 9 of 18

Inventor(s): daSilva et al.

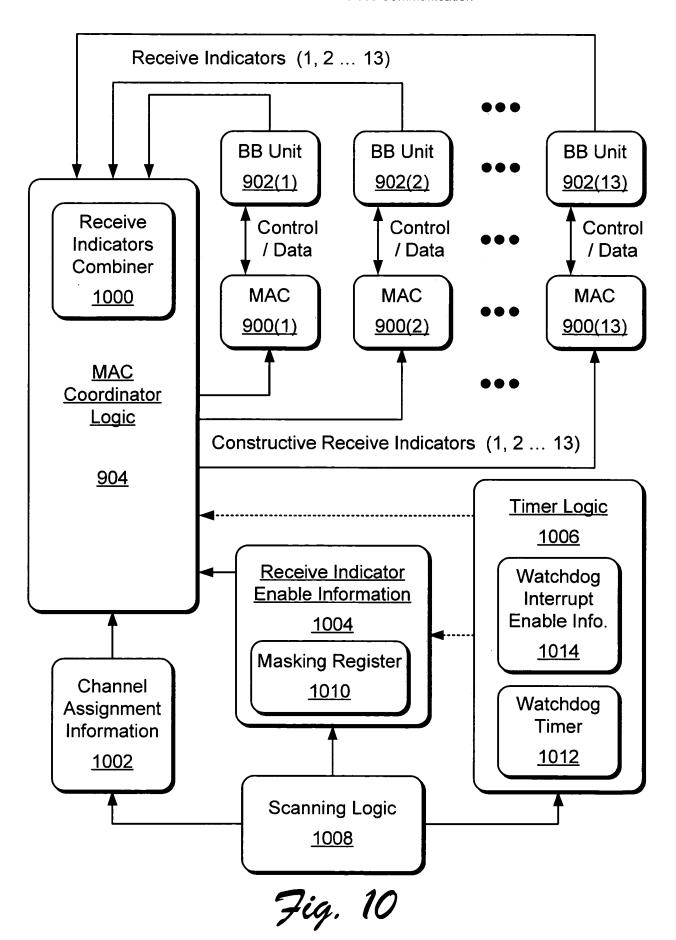


Docket No: MN1-010US 10 of 18

Inventor(s): daSilva et al.

Title:

**Directed Wireless Communication** 



Docket No: MN1-010US 11 of 18

Inventor(s): daSilva et al.

Title: **Directed Wireless Communication** 

1

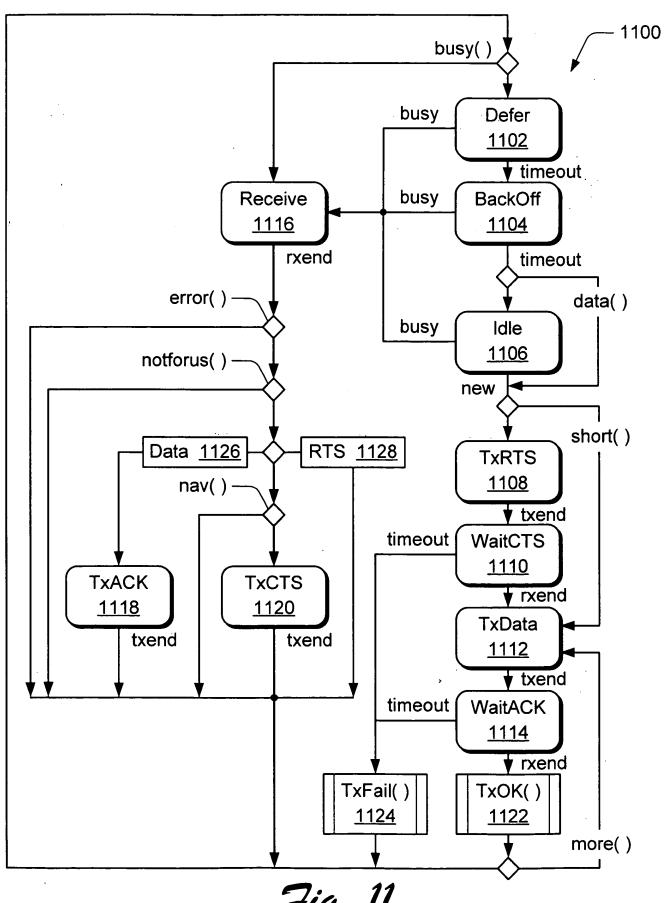


Fig. 11

Docket No: MN1-010US 12 of 18

Inventor(s): daSilva et al.

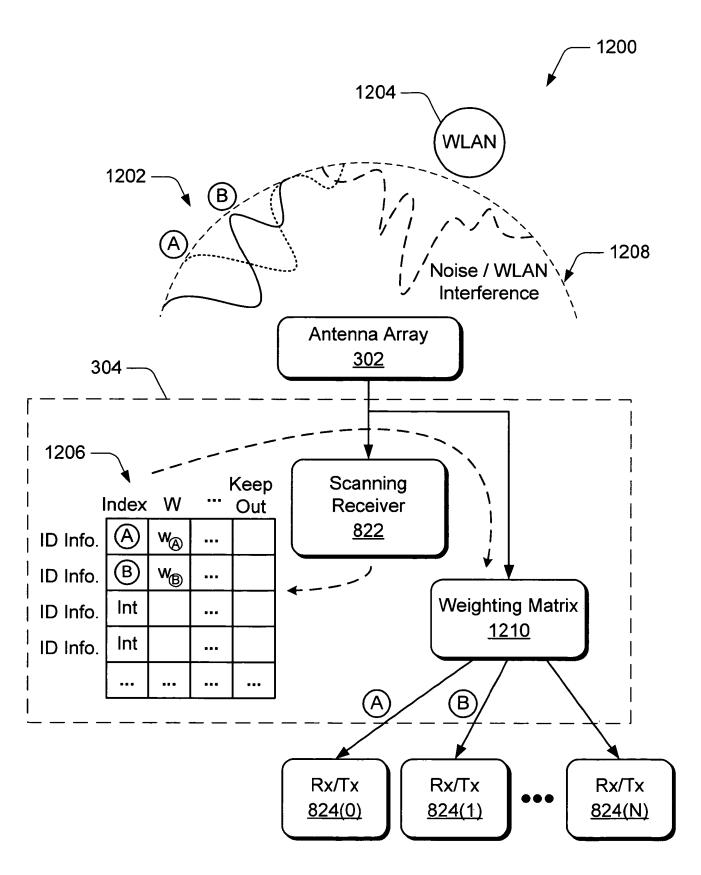


Fig. 12

Docket No: MN1-010US 13 of 18

Inventor(s): daSilva et al.

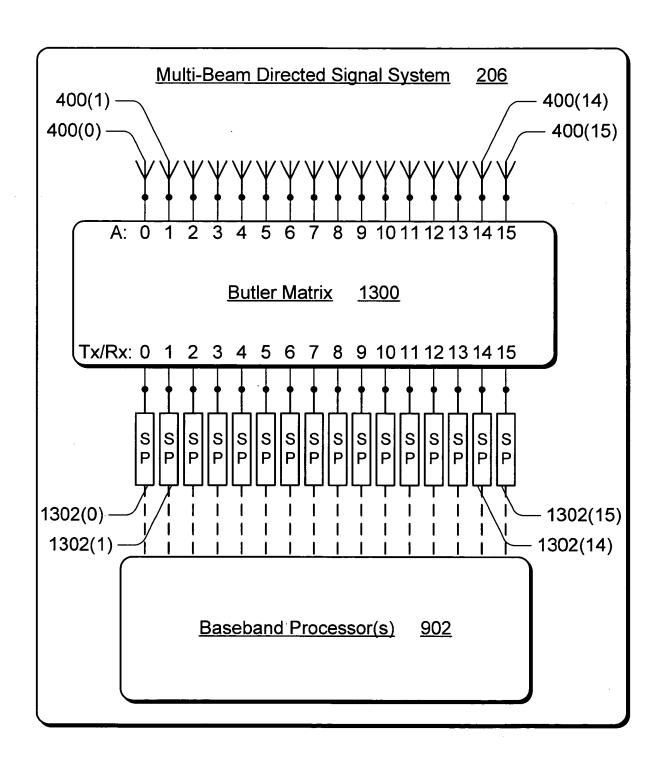


Fig. 13

Docket No: MN1-010US 14 of 18

Inventor(s): daSilva et al.

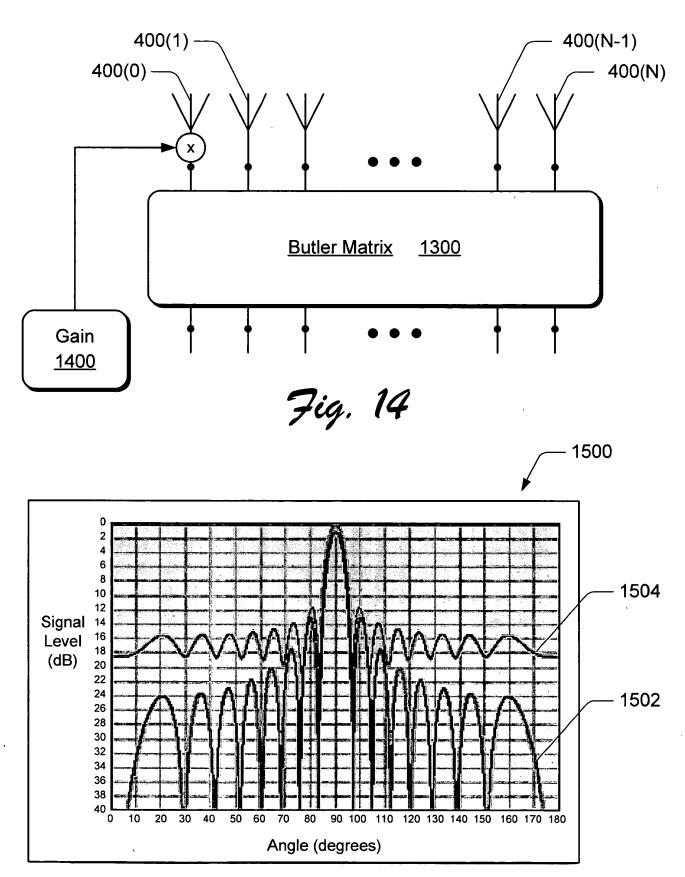


Fig. 15

Docket No: MN1-010US 15 of 18

Inventor(s): daSilva et al.

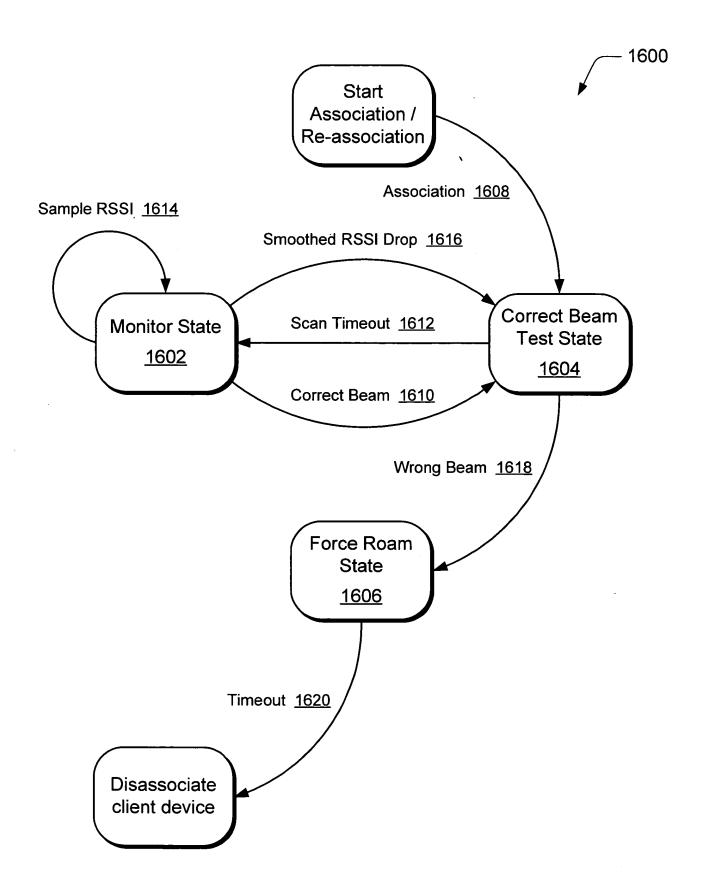


Fig. 16

Inventor(s): daSilva et al. Title: **Directed Wireless Communication** 1700 1702 Generate a directed wireless communication for data communication with a client device 1704 Receive the directed wireless communication at an antenna assembly 1706 Emanate a directed communication beam for the data communication with the client device 1708 Transmit the data communication to the client device via the directed communication beam Emanate a second directed 1710 communication beam for data communication reception from a second client device Receive the second data 1712 communication from the second client device via the second

Docket No: MN1-010US 16 of 18

Fig. 17

directed communication beam

**Directed Wireless Communication** 1802 Coordinate directed wireless communication with client devices via directed communication 1800 beams emanated from an antenna assembly Route data communication transmissions through a transmit beam-forming network to 1804 antenna elements of the antenna assembly such that a data communication transmission is communicated to a client device via a directed communication beam 1806 Monitor the directed communication beams for data communication receptions from the client devices Receive data communication receptions through a 1808 receive beam-forming network from the antenna elements of the antenna assembly such that a data communication reception is received from a client device via a directed communication beam 1810 Determine which of multiple channels provides acceptable data communication transmission and/or reception with a client device 1812 Maintain information corresponding to one or more of the client devices

Docket No: MN1-010US 17 of 18

Inventor(s): daSilva et al.

Title:

Fig. 18

Inventor(s): daSilva et al. Title: **Directed Wireless Communication** 1902 Associate a client device with a 1900 directed communication beam of a multi-beam directed signal system 1904 Receive signal strength indications for data packets received from the client device 1906 Calculate a signal strength average for the client device from the received signal strength indications 1908 Sample adjacent signal strength indications for an adjacent directed communication beam 1910 Calculate a second signal strength average for the adjacent directed communication beam 1912 1916 Second signal Disassociate the client device Yes strength average better association with the directed than signal strength communication beam average? 1914 1918 No Maintain the client device Reassociate the client device association with the directed with the adjacent directed communication beam communication beam Fig. 19

Docket No: MN1-010US

18 of 18